

## Municipal Park Management Floodlight Control – Keytag Users Guide

Cloudmaster is a municipal park management system which gives a council control of all irrigation, floodlighting, security lighting, hot water systems etc. at all parks and reserves in their municipality.

Uniquely encoded keyring transmitters (car alarm type) are issued to the sporting clubs using the park facilities. The Council can set up 'time windows' from a central PC for each keytag, specifying time of day, day of week and particular lighting channels. Within these time windows the club can turn on and off the floodlight channels to which they have been given access. Floodlight usage information is logged and transferred to a central PC, which generates an account for each club.

The result is a much fairer user-pays system for the club. It also eliminates many problems, such as floodlights left burning all night or on unused playing fields, lost keys to switch boxes, vandalised coin-operated machines and switch gear, and wasted man hours for invoice preparation and visits to the site to change timers etc.

Minimum warm up/cool down periods of typically 15 minutes can be set up on the floodlight channels. After the lights have been turned on/off then they cannot be turned off/on until the minimum warm up/cool down period has elapsed. This prevents quick power cycling **and maximises the life of discharge type floodlamps.**

If two clubs have back-to-back time windows, usually the lights would turn off at the end of the first clubs time for the minimum cooldown period. If the second club wants to use the lights immediately they can prevent this happening by operating their keytag in the 30 minutes leading up to their start time. At the changeover time the billing will transfer to the second club but the lights will remain on.

The keytags have separate 'ON' and 'OFF' buttons. The 'OFF' button can be identified in the dark by feeling for 2 dimples in the moulding. The central button is not currently used. A small light on the keytag will glow to indicate that the keytag is transmitting.

The reader device is usually mounted inside an amenities block. The user should be within about 5 metres of the reader when the button is pressed. This range may be reduced if the keytag is clenched in the fist or the battery is getting low. Assuming the lights are not in the minimum cool down/warm up periods and the present time is within the time window for the particular keytag (and the floodlights have not been disabled by the Council) the lights will turn on or off immediately. If not turned off beforehand by the club, the lights will turn off automatically at the end of the time window.

Replace battery by removing the cover (turn anti clockwise about 30 degrees with a 10c piece) and installing a lithium button cell battery type CR2016 with the '+' terminal pointing out.



*Wrong*



*Right*

For further information please contact your Council.